TECHNICAL NOTE

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transport planning
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Weybridge Business Park, Weybridge

Further Clarifications for SCC Highways

Client:	Bridge UK Properties 7 LP	Job No:	J326431
Date:	24 January 2023	File Name:	230124 J326431 TN005
Prepared by:	MF	Approved by:	DF

1. Overview

1.1 Proposals Overview

1.1.1 mode transport planning (mode) was appointed by Bridge Industrial (Bridge) to provide highway and transportation advice for the proposed redevelopment of land at Weybridge Business Park, Weybridge, Addlestone Road.

1.1.2 The proposals included the demolition of existing buildings and the development of three employment units within Classes E(g)ii, E(g)iii, B2 and B8, with ancillary office accommodation totalling a floor area of 16,925m^2 Gross Internal Area (GIA). The proposals accommodated for revised and improved vehicular access arrangements, associated external yard areas, HGV and car parking, servicing, external lighting, hard and soft landscaping, infrastructure and all associated works.

2. Surrey County Council Comments

2.1 Overview

2.1.1 Surrey County Council (SCC) in their role as the Local Highway Authority (LHA), provided an updated response to the application (Ref. RU.22/0776) dated 19th January 2023 which outlined requests for further information to submitted. The full response is appended to this Technical Note (TN) at Appendix A. A summary of the comments are as follows:

- Undertake a TRICS assessment for the most intensive land use of 'Parcel Distribution'; and,
- Provide a TRICS based car parking accumulation for the 'Parcel Distribution' trip generation.

2.1.2 It should be noted that following a consultation response to the scheme by National Highways (NH) dated 20/12/22 and the corresponding responses in subsequent TAA and on-going discussions with the Applicant, an assessment of the parcel distribution centre use class has already been undertaken. NH subsequently accepted the findings of the assessments submitted and raised no objections to the proposals. To be consistent, the same TRICS data has been used utilised within this TN.

3. TRICS Assessment

3.1 Parcel Distribution Trip Generation

3.1.1 As discussed above, the trip rates for the 'Parcel Distribution' land use as agreed with NH through previous responses, have been used to provide a sensitivity test for the trip generation of the proposed site.

3.1.2 The Applicant is aware of the comments raised about the potential for higher numbers of HGVs should the site be delivered as a parcel distribution use. As such, to ensure these comments are robustly answered, this TN has reviewed the traffic generation and net impact assessment based on Passenger Car Unit (PCU) values assuming 100% development (16,925sqm) as a parcel distribution centre. In converting the flows to PCUs, PCU values for trunk roads aligning with the TAG Unit 3.1 guidance have been used (2.5 PCU). A summary is provided in Table 3.1 with the full TRICS outputs attached at Appendix B.

Table 3.1 Parcel Distribution across all Units – PCU Trip Generation

Parcel Distribution in PCU (non PCU)		AM Peak (08:00-09:00)			PM Peak (17:00-18:00)		
		Arrivals	Departures	Two Way	Arrivals	Departures	Two Way
All Units – 16,925sqm	Total Vehicular Trip Rate	0.45	0.463	0.913	0.446	0.606	1.052
	PCUs (vehicles)	97 (76)	113 (78)	211 (155)	86 (75)	121 (103)	207 (178)
Office (Existing – 16,536sqm)	PCUs	222	34	257	30	195	225
Net compared to office use	PCUs	-125	79	-46	56	-74	-18

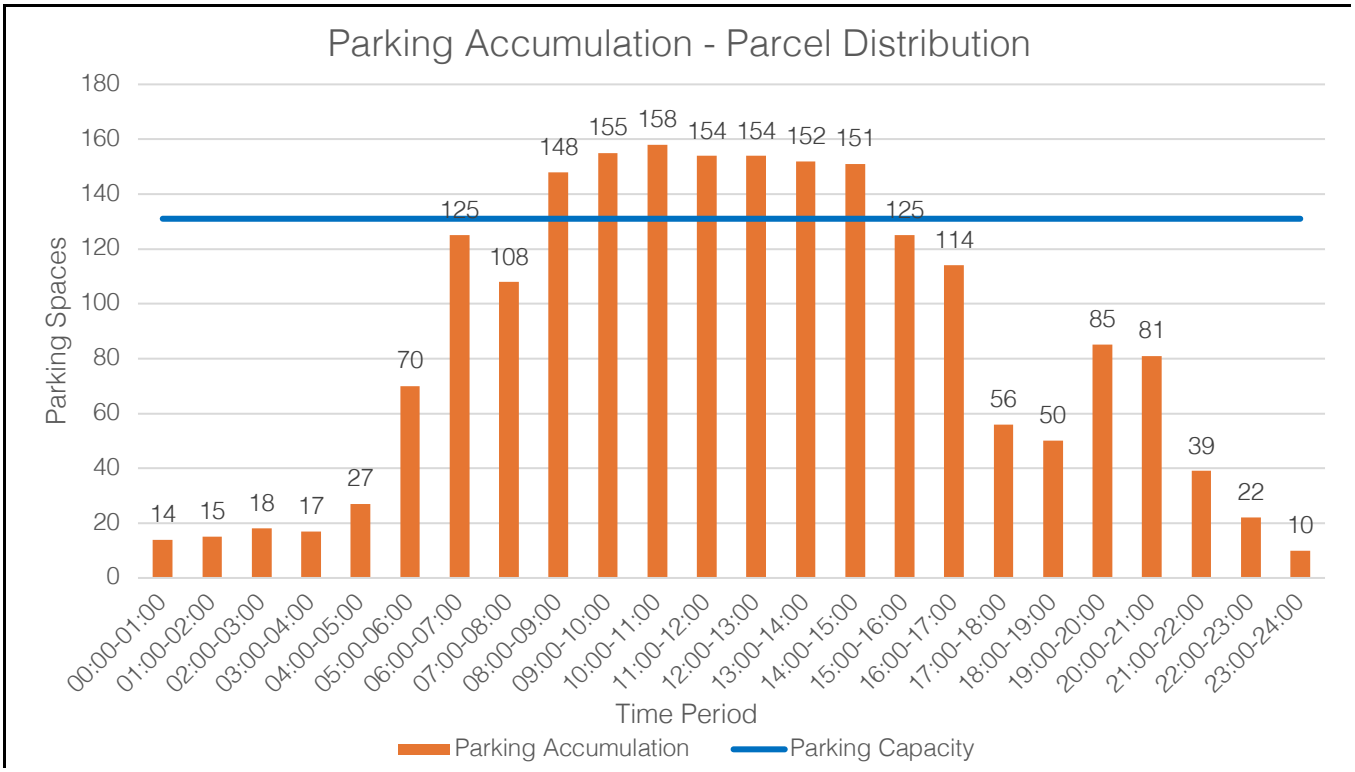
3.1.3 As detailed above, it can be seen that even when assuming 100% parcel distribution use, the scheme would result in a net decrease in traffic during the AM and PM peak periods when compared to the consented office use.

3.2 Revised Car Parking Assessment

3.2.1 A car parking accumulation analysis has been undertaken based on the TRICS arrivals and departure trip rates detailed above and included at Appendix B. This has again been based on the robust assessment of assuming 100% of the site (16,925sqm) comes forward as parcel distribution centre use. The assessment has been undertaken to demonstrate the anticipated parking demand associated with the development proposals and includes a 10% starting occupancy for the assessment. The accumulation has been based on car trips only as HGV/LGV would not use the car park spaces as these are limited to cars only.

3.2.2 The reconfigured proposed layout provides a total of 131 car parking spaces across the site following the requests of the Environment Agency. The parking accumulation for the development proposals over a typical weekday profile is demonstrated on Figure 3.1.

Figure 3.1 Parking Accumulation – Parcel Distribution



3.2.3 Based on the parking accumulation assessment detailed above, the peak demand for spaces is 158 (between 10:00 – 11:00) for which there would forecast to be a deficit of 27 car parking spaces (this also assumes a latent occupancy of 13 spaces at the start of the accumulation exercise for seasonal variation or shift crossovers.

3.2.4 The proposed level of parking (131) is in line with the current policy requirement and a balance has tried to be struck between the flexible land use sought but also to avoid providing additional parking to allow for the promotion of sustainable travel modes, which has been reflected within the previously submitted reports and plans. Whilst, it is unlikely that the entire site would ever come forward as a parcel distribution use, it is noted that parking as provided, results in a deficit if this situation were to occur.

3.2.5 As such, should the site be delivered as a parcel distribution centre, the required additional 27 car parking spaces would be provided within the layout as shown in Drawing 326431_SK-006 appended to this TN at Appendix C.

4. Summary

4.1.1 This TN has been produced to respond to SCC's request of additional information with regards to the potential use of the site as a parcel distribution centre. The information demonstrates that the site would still result in a nett reduction in peak hour trips on the highway network and that the parking accumulation can be accommodated with additional parking provided in the site if required.

mode
transport planning

APPENDIX A

SCC Response

SURREY
COUNTY COUNCIL

[redacted]

[redacted]
RUNNYMEDE BOROUGH COUNCIL
RUNNYMEDE CIVIC CENTRE
STATION ROAD
ADDLESTONE
KT15 2AH

19 January 2023

Dear [redacted]

APPLICATION NO. RU/22/0776
SITE: Weybridge Business Park Addlestone Road Addlestone Surrey KT15 2UP

I refer to the above planning application upon which you have requested our consideration of the highway and transport issues. Before I am able to provide a full response, please request the following be provided by the Applicant:

Having reviewed the Transport Assessment again, and having taking into account the vast number of local objections, the applicant should clarify some points below.

In the original request for further information, the Highway Authority requested that as the end user of the site is not known, the worst case scenario should be assessed for trip generation purposes, in terms of cars and HGV's. A TRICS assessment for Commercial Warehousing covering the B8 land use was used and compared with the Industrial Estate. However, it is not clear if this is the most intensive land use, or if 'Parcel Distribution' would provide a more robust methodology. Please can this be re run using the worst case scenario so we can assess the potential impact?

Further, with the revised changes to the trip generation, the same worst case scenario will need to be added to the Parking Accumulation table. It would be useful if another similar site could be surveyed in Surrey to see evidence of parking levels elsewhere.

Please request that the Applicant provides the above amendments/information in sufficient time so that we may respond before your deadline for determination. Please ensure that the response to this letter is in writing and all appropriate documentation, as requested, is attached.

Yours Sincerely,

APPENDIX B

TRICS Outputs

Calculation Reference: AUDIT-754101-220503-0528

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT
Category : G - PARCEL DISTRIBUTION CENTRES
TOTAL VEHICLES

Selected regions and areas:

01	**GREATER LONDON**		
	HO	HOUNSLOW	1 days
02	**SOUTH EAST**		
	SO	SLOUGH	1 days
05	**EAST MIDLANDS**		
	NT	NOTTINGHAMSHIRE	1 days

This section displays the number of survey days per TRICS® sub-region in the selected set

Primary Filtering selection:

This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.

Parameter:	Gross floor area
Actual Range:	3000 to 15583 (units: sqm)
Range Selected by User:	2000 to 50000 (units: sqm)

Parking Spaces Range: All Surveys Included

Public Transport Provision:
Selection by: Include all surveys

Date Range: 01/01/13 to 11/05/21

This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.

Selected survey days:

Monday	1 days
Tuesday	1 days
Friday	1 days

This data displays the number of selected surveys by day of the week.

Selected survey types:

Manual count	3 days
Directional ATC Count	0 days

This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaking using machines.

Selected Locations:

Suburban Area (PPS6 Out of Centre)	1
Edge of Town	2

This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.

Selected Location Sub Categories:

Commercial Zone	2
Development Zone	1

This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.

Secondary Filtering selection:

Use Class:

B8	3 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.

Filter by Site Operations Breakdown:
All Surveys Included

Population within 500m Range:
All Surveys Included

Population within 1 mile:

1,001 to 5,000	1 days
25,001 to 50,000	2 days

This data displays the number of selected surveys within stated 1-mile radii of population.

Population within 5 miles:

250,001 to 500,000	2 days
500,001 or More	1 days

This data displays the number of selected surveys within stated 5-mile radii of population.

Car ownership within 5 miles:

0.6 to 1.0	1 days
1.1 to 1.5	2 days

This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.

Travel Plan:

Yes	2 days
No	1 days

This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.

PTAL Rating:

No PTAL Present	2 days
1b Very poor	1 days

This data displays the number of selected surveys with PTAL Ratings.

Covid-19 Restrictions	Yes	At least one survey within the selected data set was undertaken at a time of Covid-19 restrictions

LIST OF SITES relevant to selection parameters

1 **HO-02-G-06** **DPD & DPD LOCAL** **HOUNSLOW**
FOREST ROAD
FELTHAM

Suburban Area (PPS6 Out of Centre)
Commercial Zone
Total Gross floor area: 3862 sqm
Survey date: FRIDAY *26/04/19* *Survey Type: MANUAL*

2 **NT-02-G-02** **CITY LINK** **NOTTINGHAMSHIRE**
MILLENIUM WAY
NOTTINGHAM
PHOENIX CENTRE
Edge of Town
Commercial Zone
Total Gross floor area: 3000 sqm
Survey date: MONDAY *17/06/13* *Survey Type: MANUAL*

3 **SO-02-G-02** **DHL** **SLOUGH**
HORTON ROAD
SLOUGH
COLNBROOK
Edge of Town
Development Zone
Total Gross floor area: 15583 sqm
Survey date: TUESDAY *11/05/21* *Survey Type: MANUAL*

This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.

TRIP RATE for Land Use 02 - EMPLOYMENT/G - PARCEL DISTRIBUTION CENTRES

TOTAL VEHICLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00	1	15583	0.039	1	15583	0.032	1	15583	0.071
01:00 - 02:00	1	15583	0.096	1	15583	0.071	1	15583	0.167
02:00 - 03:00	1	15583	0.141	1	15583	0.135	1	15583	0.276
03:00 - 04:00	1	15583	0.205	1	15583	0.193	1	15583	0.398
04:00 - 05:00	1	15583	0.308	1	15583	0.225	1	15583	0.533
05:00 - 06:00	2	9723	0.489	2	9723	0.154	2	9723	0.643
06:00 - 07:00	**2**	**9723**	**0.766**	2	9723	0.324	2	9723	1.090
07:00 - 08:00	3	7482	0.561	**3**	**7482**	**0.699**	**3**	**7482**	**1.260**
08:00 - 09:00	3	7482	0.450	3	7482	0.463	3	7482	0.913
09:00 - 10:00	3	7482	0.321	3	7482	0.437	3	7482	0.758
10:00 - 11:00	3	7482	0.214	3	7482	0.365	3	7482	0.579
11:00 - 12:00	3	7482	0.196	3	7482	0.303	3	7482	0.499
12:00 - 13:00	3	7482	0.294	3	7482	0.285	3	7482	0.579
13:00 - 14:00	3	7482	0.379	3	7482	0.374	3	7482	0.753
14:00 - 15:00	3	7482	0.276	3	7482	0.330	3	7482	0.606
15:00 - 16:00	3	7482	0.299	3	7482	0.405	3	7482	0.704
16:00 - 17:00	3	7482	0.601	3	7482	0.481	3	7482	1.082
17:00 - 18:00	3	7482	0.446	3	7482	0.606	3	7482	1.052
18:00 - 19:00	3	7482	0.374	3	7482	0.388	3	7482	0.762
19:00 - 20:00	2	9292	0.544	2	9292	0.441	2	9292	0.985
20:00 - 21:00	2	9292	0.274	2	9292	0.248	2	9292	0.522
21:00 - 22:00	2	9292	0.183	2	9292	0.436	2	9292	0.619
22:00 - 23:00	1	15583	0.340	1	15583	0.314	1	15583	0.654
23:00 - 24:00	1	15583	0.116	1	15583	0.160	1	15583	0.276
Total Rates:			7.912			7.869			15.781

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

Parameter summary

Trip rate parameter range selected:	3000 - 15583 (units: sqm)
Survey date date range:	01/01/13 - 11/05/21
Number of weekdays (Monday-Friday):	3
Number of Saturdays:	0
Number of Sundays:	0
Surveys automatically removed from selection:	3
Surveys manually removed from selection:	0

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are show. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

TRIP RATE for Land Use 02 - EMPLOYMENT/G - PARCEL DISTRIBUTION CENTRES

TAXIS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00	1	15583	0.000	1	15583	0.000	1	15583	0.000
01:00 - 02:00	1	15583	0.000	1	15583	0.000	1	15583	0.000
02:00 - 03:00	1	15583	0.000	1	15583	0.000	1	15583	0.000
03:00 - 04:00	1	15583	0.000	1	15583	0.000	1	15583	0.000
04:00 - 05:00	1	15583	0.000	1	15583	0.000	1	15583	0.000
05:00 - 06:00	2	9723	0.000	2	9723	0.000	2	9723	0.000
06:00 - 07:00	2	9723	0.000	2	9723	0.000	2	9723	0.000
07:00 - 08:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
08:00 - 09:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
09:00 - 10:00	**3**	**7482**	**0.004**	**3**	**7482**	**0.004**	**3**	**7482**	**0.008**
10:00 - 11:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
11:00 - 12:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
12:00 - 13:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
13:00 - 14:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
14:00 - 15:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
15:00 - 16:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
16:00 - 17:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
17:00 - 18:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
18:00 - 19:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
19:00 - 20:00	2	9292	0.000	2	9292	0.000	2	9292	0.000
20:00 - 21:00	2	9292	0.000	2	9292	0.000	2	9292	0.000
21:00 - 22:00	2	9292	0.000	2	9292	0.000	2	9292	0.000
22:00 - 23:00	1	15583	0.000	1	15583	0.000	1	15583	0.000
23:00 - 24:00	1	15583	0.000	1	15583	0.000	1	15583	0.000
Total Rates:			0.004			0.004			0.008

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

TRIP RATE for Land Use 02 - EMPLOYMENT/G - PARCEL DISTRIBUTION CENTRES

OGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00	1	15583	0.032	1	15583	0.032	1	15583	0.064
01:00 - 02:00	1	15583	0.019	1	15583	0.019	1	15583	0.038
02:00 - 03:00	1	15583	0.064	1	15583	0.083	1	15583	0.147
03:00 - 04:00	1	15583	0.116	1	15583	0.103	1	15583	0.219
04:00 - 05:00	1	15583	0.109	1	15583	0.122	1	15583	0.231
05:00 - 06:00	2	9723	0.118	2	9723	0.087	2	9723	0.205
06:00 - 07:00	2	9723	0.077	2	9723	0.082	2	9723	0.159
07:00 - 08:00	3	7482	0.071	3	7482	0.111	3	7482	0.182
08:00 - 09:00	3	7482	0.080	**3**	**7482**	**0.138**	3	7482	0.218
09:00 - 10:00	3	7482	0.080	3	7482	0.053	3	7482	0.133
10:00 - 11:00	3	7482	0.085	3	7482	0.116	3	7482	0.201
11:00 - 12:00	3	7482	0.040	3	7482	0.040	3	7482	0.080
12:00 - 13:00	3	7482	0.067	3	7482	0.045	3	7482	0.112
13:00 - 14:00	3	7482	0.045	3	7482	0.036	3	7482	0.081
14:00 - 15:00	3	7482	0.036	3	7482	0.080	3	7482	0.116
15:00 - 16:00	3	7482	0.031	3	7482	0.049	3	7482	0.080
16:00 - 17:00	3	7482	0.151	3	7482	0.116	3	7482	0.267
17:00 - 18:00	3	7482	0.040	3	7482	0.071	3	7482	0.111
18:00 - 19:00	3	7482	0.067	3	7482	0.094	3	7482	0.161
19:00 - 20:00	2	9292	0.048	2	9292	0.124	2	9292	0.172
20:00 - 21:00	2	9292	0.108	2	9292	0.054	2	9292	0.162
21:00 - 22:00	2	9292	0.075	2	9292	0.102	2	9292	0.177
22:00 - 23:00	**1**	**15583**	**0.212**	1	15583	0.083	**1**	**15583**	**0.295**
23:00 - 24:00	1	15583	0.083	1	15583	0.051	1	15583	0.134
Total Rates:			1.854			1.891			3.745

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

TRIP RATE for Land Use 02 - EMPLOYMENT/G - PARCEL DISTRIBUTION CENTRES

PSVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00	1	15583	0.000	1	15583	0.000	1	15583	0.000
01:00 - 02:00	1	15583	0.013	1	15583	0.000	1	15583	0.013
02:00 - 03:00	1	15583	0.006	1	15583	0.006	1	15583	0.012
03:00 - 04:00	1	15583	0.000	1	15583	0.006	1	15583	0.006
04:00 - 05:00	1	15583	0.019	1	15583	0.019	1	15583	0.038
05:00 - 06:00	2	9723	0.010	2	9723	0.015	2	9723	0.025
06:00 - 07:00	2	9723	0.021	2	9723	0.010	2	9723	0.031
07:00 - 08:00	3	7482	0.018	3	7482	0.027	3	7482	0.045
08:00 - 09:00	3	7482	0.018	3	7482	0.013	3	7482	0.031
09:00 - 10:00	3	7482	0.009	3	7482	0.004	3	7482	0.013
10:00 - 11:00	3	7482	0.004	3	7482	0.009	3	7482	0.013
11:00 - 12:00	3	7482	0.013	3	7482	0.013	3	7482	0.026
12:00 - 13:00	3	7482	0.004	3	7482	0.018	3	7482	0.022
13:00 - 14:00	3	7482	0.022	3	7482	0.013	3	7482	0.035
14:00 - 15:00	3	7482	0.009	3	7482	0.022	3	7482	0.031
15:00 - 16:00	3	7482	0.027	3	7482	0.018	3	7482	0.045
16:00 - 17:00	3	7482	0.013	3	7482	0.013	3	7482	0.026
17:00 - 18:00	3	7482	0.013	3	7482	0.009	3	7482	0.022
18:00 - 19:00	3	7482	0.009	3	7482	0.018	3	7482	0.027
19:00 - 20:00	**2**	**9292**	**0.032**	2	9292	0.016	2	9292	0.048
20:00 - 21:00	2	9292	0.005	2	9292	0.005	2	9292	0.010
21:00 - 22:00	2	9292	0.032	**2**	**9292**	**0.032**	**2**	**9292**	**0.064**
22:00 - 23:00	1	15583	0.032	1	15583	0.032	1	15583	0.064
23:00 - 24:00	1	15583	0.019	1	15583	0.019	1	15583	0.038
Total Rates:			0.348			0.337			0.685

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

TRIP RATE for Land Use 02 - EMPLOYMENT/G - PARCEL DISTRIBUTION CENTRES

CYCLISTS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00	1	15583	0.000	1	15583	0.000	1	15583	0.000
01:00 - 02:00	1	15583	0.000	1	15583	0.000	1	15583	0.000
02:00 - 03:00	1	15583	0.000	1	15583	0.000	1	15583	0.000
03:00 - 04:00	1	15583	0.000	1	15583	0.000	1	15583	0.000
04:00 - 05:00	1	15583	0.000	1	15583	0.000	1	15583	0.000
05:00 - 06:00	2	9723	0.000	2	9723	0.010	2	9723	0.010
06:00 - 07:00	2	9723	0.005	2	9723	0.005	2	9723	0.010
07:00 - 08:00	3	7482	0.004	3	7482	0.009	3	7482	0.013
08:00 - 09:00	3	7482	0.000	3	7482	0.004	3	7482	0.004
09:00 - 10:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
10:00 - 11:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
11:00 - 12:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
12:00 - 13:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
13:00 - 14:00	3	7482	0.000	3	7482	0.004	3	7482	0.004
14:00 - 15:00	3	7482	0.009	3	7482	0.004	3	7482	0.013
15:00 - 16:00	3	7482	0.000	3	7482	0.004	3	7482	0.004
16:00 - 17:00	3	7482	0.004	3	7482	0.000	3	7482	0.004
17:00 - 18:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
18:00 - 19:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
19:00 - 20:00	**2**	**9292**	**0.011**	2	9292	0.000	2	9292	0.011
20:00 - 21:00	2	9292	0.000	2	9292	0.000	2	9292	0.000
21:00 - 22:00	2	9292	0.000	2	9292	0.005	2	9292	0.005
22:00 - 23:00	1	15583	0.006	**1**	**15583**	**0.013**	**1**	**15583**	**0.019**
23:00 - 24:00	1	15583	0.000	1	15583	0.000	1	15583	0.000
Total Rates:			0.039			0.058			0.097

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

TRIP RATE for Land Use 02 - EMPLOYMENT/G - PARCEL DISTRIBUTION CENTRES

CARS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00	1	15583	0.006	1	15583	0.000	1	15583	0.006
01:00 - 02:00	1	15583	0.058	1	15583	0.051	1	15583	0.109
02:00 - 03:00	1	15583	0.058	1	15583	0.039	1	15583	0.097
03:00 - 04:00	1	15583	0.077	1	15583	0.083	1	15583	0.160
04:00 - 05:00	1	15583	0.128	1	15583	0.071	1	15583	0.199
05:00 - 06:00	2	9723	0.273	2	9723	0.051	2	9723	0.324
06:00 - 07:00	**2**	**9723**	**0.355**	2	9723	0.093	2	9723	0.448
07:00 - 08:00	3	7482	0.334	3	7482	0.316	**3**	**7482**	**0.650**
08:00 - 09:00	3	7482	0.276	3	7482	0.067	3	7482	0.343
09:00 - 10:00	3	7482	0.102	3	7482	0.080	3	7482	0.182
10:00 - 11:00	3	7482	0.071	3	7482	0.049	3	7482	0.120
11:00 - 12:00	3	7482	0.089	3	7482	0.098	3	7482	0.187
12:00 - 13:00	3	7482	0.129	3	7482	0.111	3	7482	0.240
13:00 - 14:00	3	7482	0.169	3	7482	0.200	3	7482	0.369
14:00 - 15:00	3	7482	0.098	3	7482	0.116	3	7482	0.214
15:00 - 16:00	3	7482	0.120	3	7482	0.232	3	7482	0.352
16:00 - 17:00	3	7482	0.147	3	7482	0.218	3	7482	0.365
17:00 - 18:00	3	7482	0.116	**3**	**7482**	**0.414**	3	7482	0.530
18:00 - 19:00	3	7482	0.147	3	7482	0.174	3	7482	0.321
19:00 - 20:00	2	9292	0.339	2	9292	0.156	2	9292	0.495
20:00 - 21:00	2	9292	0.054	2	9292	0.097	2	9292	0.151
21:00 - 22:00	2	9292	0.048	2	9292	0.258	2	9292	0.306
22:00 - 23:00	1	15583	0.096	1	15583	0.193	1	15583	0.289
23:00 - 24:00	1	15583	0.013	1	15583	0.083	1	15583	0.096
Total Rates:			3.303			3.250			6.553

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

TRIP RATE for Land Use 02 - EMPLOYMENT/G - PARCEL DISTRIBUTION CENTRES

LGVS

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00	1	15583	0.000	1	15583	0.000	1	15583	0.000
01:00 - 02:00	1	15583	0.006	1	15583	0.000	1	15583	0.006
02:00 - 03:00	1	15583	0.006	1	15583	0.006	1	15583	0.012
03:00 - 04:00	1	15583	0.013	1	15583	0.000	1	15583	0.013
04:00 - 05:00	1	15583	0.051	1	15583	0.006	1	15583	0.057
05:00 - 06:00	2	9723	0.082	2	9723	0.000	2	9723	0.082
06:00 - 07:00	**2**	**9723**	**0.309**	2	9723	0.129	**2**	**9723**	**0.438**
07:00 - 08:00	3	7482	0.120	3	7482	0.232	3	7482	0.352
08:00 - 09:00	3	7482	0.076	3	7482	0.245	3	7482	0.321
09:00 - 10:00	3	7482	0.116	**3**	**7482**	**0.290**	3	7482	0.406
10:00 - 11:00	3	7482	0.049	3	7482	0.187	3	7482	0.236
11:00 - 12:00	3	7482	0.053	3	7482	0.147	3	7482	0.200
12:00 - 13:00	3	7482	0.085	3	7482	0.107	3	7482	0.192
13:00 - 14:00	3	7482	0.125	3	7482	0.111	3	7482	0.236
14:00 - 15:00	3	7482	0.125	3	7482	0.098	3	7482	0.223
15:00 - 16:00	3	7482	0.111	3	7482	0.098	3	7482	0.209
16:00 - 17:00	3	7482	0.281	3	7482	0.125	3	7482	0.406
17:00 - 18:00	3	7482	0.267	3	7482	0.089	3	7482	0.356
18:00 - 19:00	3	7482	0.134	3	7482	0.094	3	7482	0.228
19:00 - 20:00	2	9292	0.118	2	9292	0.135	2	9292	0.253
20:00 - 21:00	2	9292	0.097	2	9292	0.081	2	9292	0.178
21:00 - 22:00	2	9292	0.022	2	9292	0.043	2	9292	0.065
22:00 - 23:00	1	15583	0.000	1	15583	0.006	1	15583	0.006
23:00 - 24:00	1	15583	0.000	1	15583	0.000	1	15583	0.000
Total Rates:			2.246			2.229			4.475

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

*To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: COUNT/TRP*FACT. Trip rates are then rounded to 3 decimal places.*

TRIP RATE for Land Use 02 - EMPLOYMENT/G - PARCEL DISTRIBUTION CENTRES

MOTOR CYCLES

Calculation factor: 100 sqm

BOLD print indicates peak (busiest) period

	ARRIVALS			DEPARTURES			TOTALS		
Time Range	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00	1	15583	0.000	1	15583	0.000	1	15583	0.000
01:00 - 02:00	1	15583	0.000	1	15583	0.000	1	15583	0.000
02:00 - 03:00	1	15583	0.006	1	15583	0.000	1	15583	0.006
03:00 - 04:00	1	15583	0.000	1	15583	0.000	1	15583	0.000
04:00 - 05:00	1	15583	0.000	1	15583	0.006	1	15583	0.006
05:00 - 06:00	2	9723	0.005	2	9723	0.000	2	9723	0.005
06:00 - 07:00	2	9723	0.005	2	9723	0.010	2	9723	0.015
07:00 - 08:00	**3**	**7482**	**0.013**	3	7482	0.009	**3**	**7482**	**0.022**
08:00 - 09:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
09:00 - 10:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
10:00 - 11:00	3	7482	0.004	3	7482	0.004	3	7482	0.008
11:00 - 12:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
12:00 - 13:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
13:00 - 14:00	3	7482	0.009	3	7482	0.009	3	7482	0.018
14:00 - 15:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
15:00 - 16:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
16:00 - 17:00	3	7482	0.000	3	7482	0.004	3	7482	0.004
17:00 - 18:00	3	7482	0.009	**3**	**7482**	**0.013**	3	7482	0.022
18:00 - 19:00	3	7482	0.000	3	7482	0.000	3	7482	0.000
19:00 - 20:00	2	9292	0.005	2	9292	0.000	2	9292	0.005
20:00 - 21:00	2	9292	0.000	2	9292	0.005	2	9292	0.005
21:00 - 22:00	2	9292	0.005	2	9292	0.000	2	9292	0.005
22:00 - 23:00	1	15583	0.000	1	15583	0.000	1	15583	0.000
23:00 - 24:00	1	15583	0.000	1	15583	0.006	1	15583	0.006
Total Rates:			0.061			0.066			0.127

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

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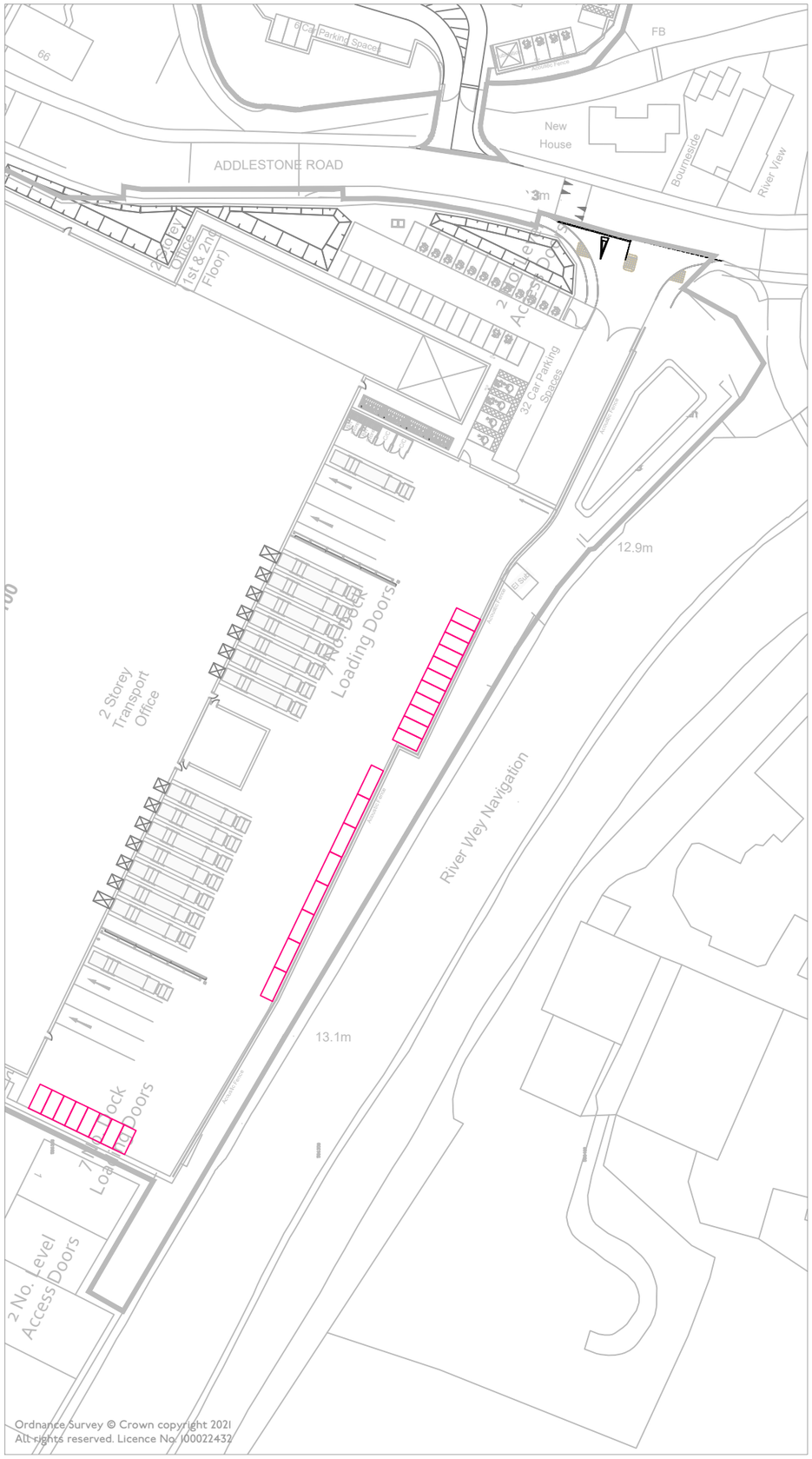
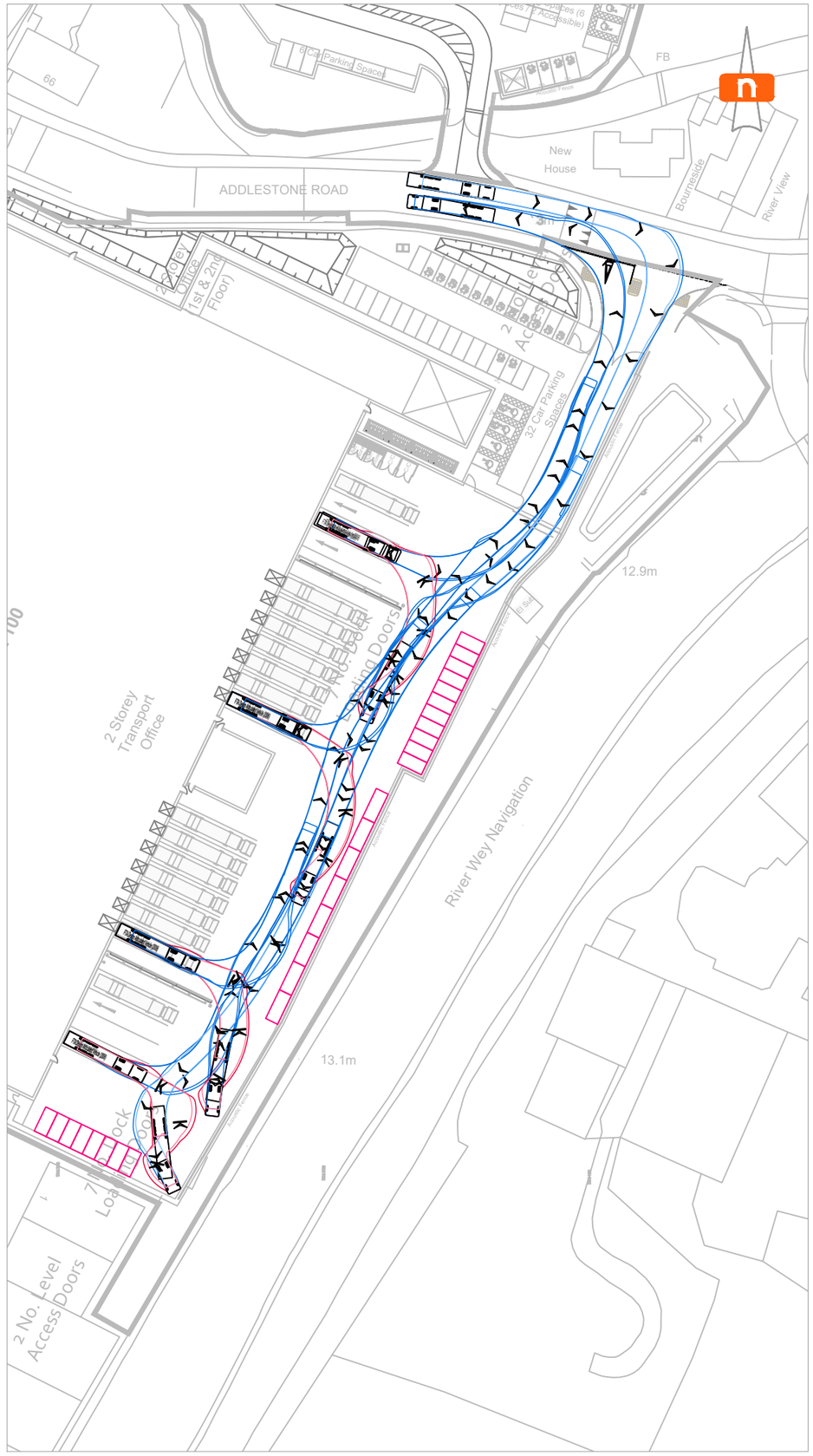
mode
transport planning

APPENDIX C

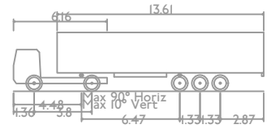
326431_SK-006





Note:

1. This drawing is indicative and subject to discussions with local & national highway authorities. This design is also subject to confirmation of land ownership, topography location of statutory services, detailed design and traffic modelling.
2. Road markings & traffic signs are to be in accordance with "The Traffic Signs Regulations and General Directions 2016".
3. Do not scale from this drawing. Work from figured dimensions only.
4. All dimensions are shown in metres unless noted otherwise.



FTA Design Articulated Vehicle (2006)

Overall Length	16.480m
Overall Width	2.550m
Overall Body Height	3.870m
Min Body Ground Clearance	0.515m
Max Track Width	2.470m
Lock to Lock time	5.00s
Kerb to Kerb Turning Radius	6.600m

Legend

Indicative Car Park Spaces for B8 (Parcel Distribution)

REV	DATE	REMARKS
-	20.01.23	Initial Issue

CLIENT

Bridge UK Properties 7 LP

JOB TITLE

Weybridge Business Park

DRAWING TITLE

Indicative Car Park Arrangement for B8 Land Use (Parcel Distribution)

DRAWING NO.

J32-6432-SK-006

DRAWN	CHECKED
KM	MF
CREATED	SCALE
Jan '23	1:500 at A3

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